CLAIMS:

1. A method of synchronizing a first key set in an encryption device and a second key set in a decryption device, the method comprising the steps of:

- the encryption device producing an encrypted image and an associated key identification using a key of the first key set,
- the encryption device transmitting the encrypted image and its associated key identification to a display device,
- the display device displaying the encrypted image and its associated key identification,
- the decryption device detecting the key identification,
- the decryption device decrypting the encrypted images using a key of the second key set corresponding with the detected key identification, and
- the decryption device displaying the decrypted image.

2. The method according to claim 1, wherein the key identification is a code derived from the key.

3. The method according to claim 2, wherein the key identification is a hash value.

4. The method according to claim 3, wherein the step of the decryption device detecting the key identification involves the sub-steps of:

- the decryption device detecting the hash value and storing it as a detected hash value,
- the decryption device calculating the hash values of the second key set and comparing each calculated hash value with the detected hash value until a match is found.

5. The method according to claim 1, wherein the key identification is part of the encrypted image.

6. The method according to claim 5, wherein the key identification is displayed on the display device as a bar code and/or a time multiplexed code.

7. A system for synchronizing a first key set in an encryption device and a second key set in a decryption device, the system comprising:

- an encryption device for producing an encrypted image and an associated key identification using a key of the first key set and transmitting the encrypted image and the associated key identification to a display device,
- a display device for displaying the encrypted image and its associated key identification, and
- a decryption device for detecting the key identification, decrypting the encrypted image using a key of the second key set corresponding with the key identification, and displaying the decrypted image.

8. The system according to claim 7, wherein the key identification is a code derived from the key.

9. The system according to claim 8, wherein the key identification is a hash value.

10. The system according to claim 9, wherein the decryption device detects the key identification by:

- detecting the hash value and storing it as a detected hash value, and
- calculating the hash values of the second key set and comparing each calculated hash value with the detected hash value until a match is found.

11. The system according to claim 7, wherein the key identification is part of the encrypted image.

12. The system according to claim 7, wherein the key identification is displayed on the display device as a bar code and/or a time multiplexed code.

13. A decryption device for use in a system according to any of claims 7-12, the device comprising sensor means for sensing an encrypted image and a key identification, key

selection means for selecting a key on the basis of the sensed key identification, decryption means for decrypting a sensed encrypted image using the selected key, and display means for displaying a decrypted image.

14. The decryption device according to claim 13, wherein the sensor means are constituted by photo diodes.

15. The decryption device according to claim 14, wherein the sensor means are part of an LED circuit, preferably an OLED circuit.